

ABSTRACT OF THE DISCLOSURE

A flywheel-type battery is integrated within a motor useful for maintaining a flywheel at a constant speed when actuated. It provides an FBEV motor wherein the rotor windings are located on the interior and exterior of the peripherally mounted battery, making the battery casing, itself, the driving force of the motor. The battery housing also supports stator windings that are used in the operation of the motor. The drive train adjusts the torque to the wheels by hydraulics. A computer changes the motor into a generator upon slowing, stopping, or going downhill, which recharges the battery. increasing range. A large number of stator coils, mounted on the housing, and rotor coils mounted on the inner and outer wall of the peripheral battery, may each be separately energized by means of a computer to maintain the flywheel at a constant high speed, once the motor is actuated. This makes maximum torque available to the vehicle at any time for sudden acceleration.